

**Remarks/Arguments:**

Claims 1-27 are pending in the application.

Claims 4, 9-18, and 23-27 are hereby cancelled.

Claims 1, 8, and 19-22 are hereby amended.

Claim 28 is hereby newly added.

1. Drawings. The drawing was objected to because of legibility. A clearer drawing showing the reference numeral corresponding to “upload client” is attached.

2. Claims 1-17 and 19-27 were rejected under 35 USC 102(e) as anticipated by Liao. Liao describes a wireless data communications network in which the wireless communications are secured.

Applicant’s amended claims, on the other hand, are directed to an application service provider arrangement, in which wireless data communications are enabled between (i) a wireless server that can also connect to a wired network (such as the Internet) and (ii) a separate wireless device. The wireless server and separate wireless device communicate with special protocols, optimized for wireless channels. The claims as originally presented identified that “special protocols” were involved in the wireless link communications – however, the present amendments to the claims make clear that these “special protocols” are not just non-standard but known protocols. Rather, the wireless server and the wireless device communicate with a reduced transmission and acknowledgement signal sort of procedure to complete communications. The wireless communications described in the amended claims are made possible through the peculiarities of the wireless server and wireless device, in the particular data formatting and sequence and content of send, ack, and retransmit signals over the wireless link.

Support for the added specifics for the optimal wireless protocol (which was referred to as a “specialized protocol” in the original claims) can be found in the related applications (and now issued patents therefrom) that were incorporated by reference as of the date of the application filing. For example, U.S. patent application No. 09/618,881 was so incorporated by reference in the present application, and that incorporated application has now issued as U.S. Patent No. 6,496,520. This ‘520 patent includes further details of the optimal protocol, but does not duplicate the present application in which the focus of the amended claims is the service provider aspect of the arrangement of wireless server and wireless device communicating with optimized signals over the wireless link. In other words, the particulars of the wireless server and wireless device described in the amended claims enable the service provider arrangement of the networks and systems of the application (whereas, the ‘520 patent addressed only certain steps of a particular type of optimized protocol for wirelessly communicating, but not the particular setup described in the present application and amended claims of a centralized service provider arrangement for employing the optimized protocol).

Liao does not disclose the particular optimized protocol now distinctly pointed out in the amended claims for operations of the wireless service provider network and systems of the amended claims.

3. Claim 18 was rejected under 35 USC 103(a) as unpatentable over Liao in view of Ditzik.  
The examiner cites Ditzik for the proposition that the data communicated over wireless link can be any of a wide variety of types of information.

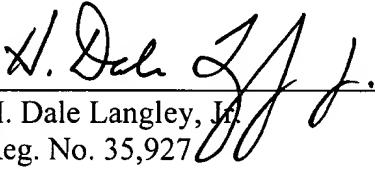
Liao, nonetheless, fails as a base reference for the wireless service provider network operating with optimized protocols as described in Applicant’s amended claims. In view of the amendments, the proposed combination of Liao and Ditzik does not teach or suggest the

inventions of the amended claims.

Applicant submits that the amendments to the claims more specifically and distinctly point out the patentable aspects of Applicant's wireless service provider network, in which wireless server and wireless device can communicate in an optimized manner over wireless link. Applicant respectfully requests reconsideration and withdrawal of the rejections, in view of the more specific and distinctly patentable aspects addressed by the amendments.

If the Examiner has any questions or comments, the undersigned attorney for Applicant respectfully requests a call to discuss any issues. The Office is authorized to charge any excess fees or to credit any overage to the undersigned's Deposit Account No. 50-1350.

Respectfully submitted,

  
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